

PCT_EP_04_00030_sequence listing.txt
SEQUENCE LISTING

<110> alcedo biotech GmbH

<120> Use of HMGB, HMGN, HMGA proteins

<130> A 10009 PCT

<160> 64

<170> PatentIn version 3.1

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<211> 107

<212> PRT

<213> Homo sapiens

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Pro Pro Val Ser Pro Gly Thr Ala Leu Val Gly Ser Gln Lys Glu Pro
35 40 45

Ser Glu Val Pro Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly Ser
50 55 60

Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr Thr Thr Thr Pro Gly
65 70 75 80

Arg Lys Pro Arg Gly Arg Pro Lys Lys Leu Glu Lys Glu Glu Glu Glu
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<213> Homo sapiens

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35      40      45
Arg Pro Lys Gly Ser Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr
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20      25      30
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PCT_EP_04_00030_sequence listing.txt

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

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PCT_EP_04_00030_sequence listing.txt

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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
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Arg Lys Trp Glu Glu Phe Tyr Ile Ala Ala
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

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PCT_EP_04_00030_sequence listing.txt

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Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg
35 40 45

Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala
50 55 60

Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro
65 70 75 80

Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys
85 90 95

Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys
100 105 110

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Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr
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Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala
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165 170 175

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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp Ala Gly Val Gln Trp Tyr Asn Leu Gly Ser Leu Gln Pro
85 90 95

Pro Pro Pro Arg Phe Lys Gln Phe Ser Cys Leu Arg Leu Leu Ser Ser
100 105 110

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35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

PCT_EP_04_00030_sequence listing.txt

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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

PCT_EP_04_00030_sequence listing.txt

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Val Asn
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
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Val Val Gln Lys Lys
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20 25 30

Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser
35 40 45

Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala
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70

75

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Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln Thr Cys Arg
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PCT_EP_04_00030_sequence listing.txt

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 Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys Glu
 35 40 45
 Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu
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 Arg Glu Met Lys Thr Tyr Ile
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 Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln
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 Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn
 20 25 30
 Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser
 35 40 45
 Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala
 50 55 60
 Arg Tyr Glu Arg Glu Met Lys Thr Tyr
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PCT_EP_04_00030_sequence_listing.txt

Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser
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Glu Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly
20 25 30

Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp
35 40 45

Asp Lys Gln Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr
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Glu Lys Asp Ile Ala Ala Tyr Arg Ala Lys Gly
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Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln
35 40 45

Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp
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Ile Ala Ala Tyr Arg
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PCT_EP_04_00030_sequence listing.txt

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Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala
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35 40 45

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20 25 30

Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala His Tyr Glu
35 40 45

Arg Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Lys Lys Lys Lys
50 55 60

Phe Lys Asp Pro Asn Ala Pro Lys Arg Pro Pro Leu Ala Phe Phe Leu
65 70 75 80

Phe Cys Ser Glu Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu
85 90 95

Ser Ile Asp Asp Val Val Lys Lys Leu Ala Gly Met Trp Asn Asn Thr
100 105 110

Ala Ala Ala Asp Lys Gln Phe Tyr Glu Lys Lys Ala Ala Lys Leu Lys
115 120 125

Glu Lys Tyr Lys Lys Asp Ile Ala Ala Tyr Arg Ala Lys Gly Lys Pro
130 135 140

PCT_EP_04_00030_sequence listing.txt

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Glu Asp Asp Asp Lys
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20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp Asn Thr Leu Glu Gln Cys Asn Val Cys Ser Lys Pro Ile
85 90 95

Met Glu Arg Ile Leu Arg Ala Thr Gly Lys Ala Tyr His Pro His Cys
100 105 110

Phe Thr Cys Val Met Cys His Arg Ser Leu Asp Gly Ile Pro Phe Thr
115 120 125

Val Asp Ala Gly Gly Leu Ile His Cys Ile Glu Asp Phe His Lys Lys
130 135 140

Phe Ala Pro Arg Cys Ser Val Cys Lys Glu Pro Ile Met Pro Ala Pro
Page 16

145 150 155 160

Gly Gln Glu Glu Thr Val Arg Ile Val Ala Leu Asp Arg Asp Phe His
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Val His Cys Tyr Arg Cys Glu Asp Cys Gly Gly Leu Leu Ser Glu Gly
180 185 190

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<210> 37

<211> 252

<212> DNA

<213> Homo sapiens

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ggtgagccct ctctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc 180

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<210> 38

<211> 273

<212> DNA

<213> Homo sapiens

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<210> 39

<211> 291

<212> DNA

<213> Homo sapiens

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<400> 39
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ggtgagccct ctctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc      180
tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggcagacct      240
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<210> 41

<211> 648

<212> DNA

<213> Homo sapiens

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<210> 42

<211> 444

<212> DNA

<213> Homo sapiens

<400> 42

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ttcaagcaat tctcctgcct caggctcctg agtagttggg attacaggca cccaccacca	360
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<210> 43

<211> 321

<212> DNA

<213> Homo sapiens

<400> 43

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<210> 44

<211> 279

PCT_EP_04_00030_sequence listing.txt

<212> DNA

<213> Homo sapiens

<400> 44

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tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggcagacct	240
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<210> 45

<211> 291

<212> DNA

<213> Homo sapiens

<400> 45

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<210> 46

<211> 357

<212> DNA

<213> Homo sapiens

<400> 46

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<211> 288

<212> DNA

<213> Homo sapiens

<400> 47

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<210> 48

<211> 33

<212> DNA

<213> Homo sapiens

<400> 48

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<210> 49

<211> 33

<212> DNA

<213> Homo sapiens

<400> 49

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<210> 50

<211> 36

<212> DNA

<213> Homo sapiens

<400> 50

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<210> 51

<211> 33

<212> DNA

<213> Homo sapiens

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<210> 52

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<212> DNA

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<211> 36

<212> DNA

<213> Homo sapiens

<400> 53

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<210> 54

<211> 33

<212> DNA

<213> Homo sapiens

<400> 54

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<210> 55

<211> 33

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<213> Homo sapiens

<400> 55

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<210> 56

<211> 63

<212> DNA

<213> Homo sapiens

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60

63

<210> 57

<211> 234

<212> DNA

<213> Homo sapiens

<400> 57

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<210> 58

<211> 213

<212> DNA

<213> Homo sapiens

<400> 58

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tggaagacca tgtctgctaa agagaaagga aaatttgaag atatggcaaa ggcggacaag 180

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<211> 219

<212> DNA

<213> Homo sapiens

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gcggacaagg cccgttatga aagagaaatg aaaacctat 219

<210> 60

<211> 225

<212> DNA

<213> Homo sapiens

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<210> 61

<211> 207

<212> DNA

<213> Homo sapiens

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PCT_EP_04_00030_sequence Listing.txt

<210> 62

<211> 147

<212> DNA

<213> Homo sapiens

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<210> 63

<211> 546

<212> DNA

<213> Homo sapiens

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<212> DNA

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